

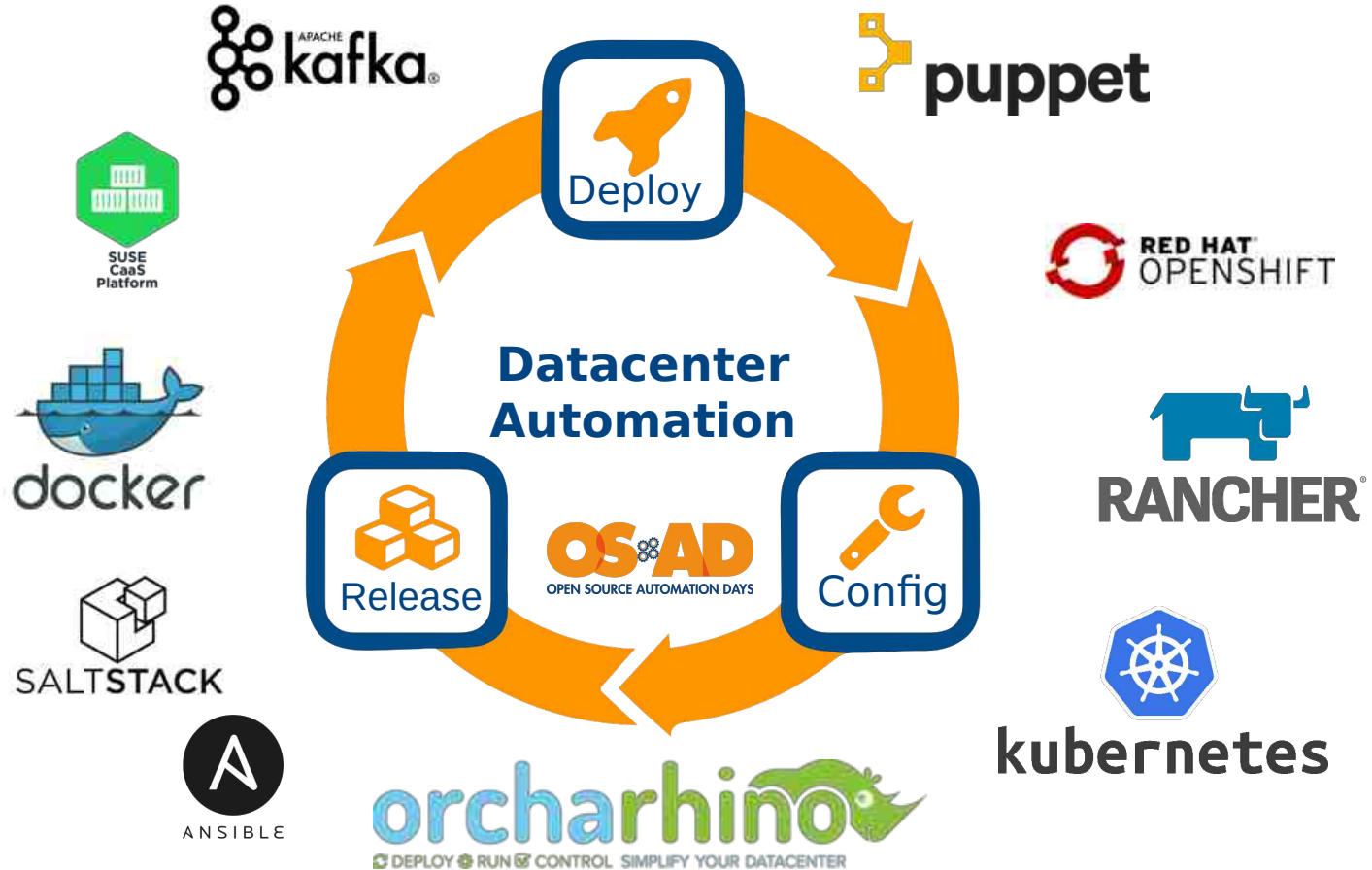
Application centric deployment



26.01.2020

Bernhard Suttner

SIMPLIFY YOUR DATACENTER





Technical writer
QA engineers
Software engineers



FOREMAN

Open Source Communities



Technical writer
QA engineers
Software engineers

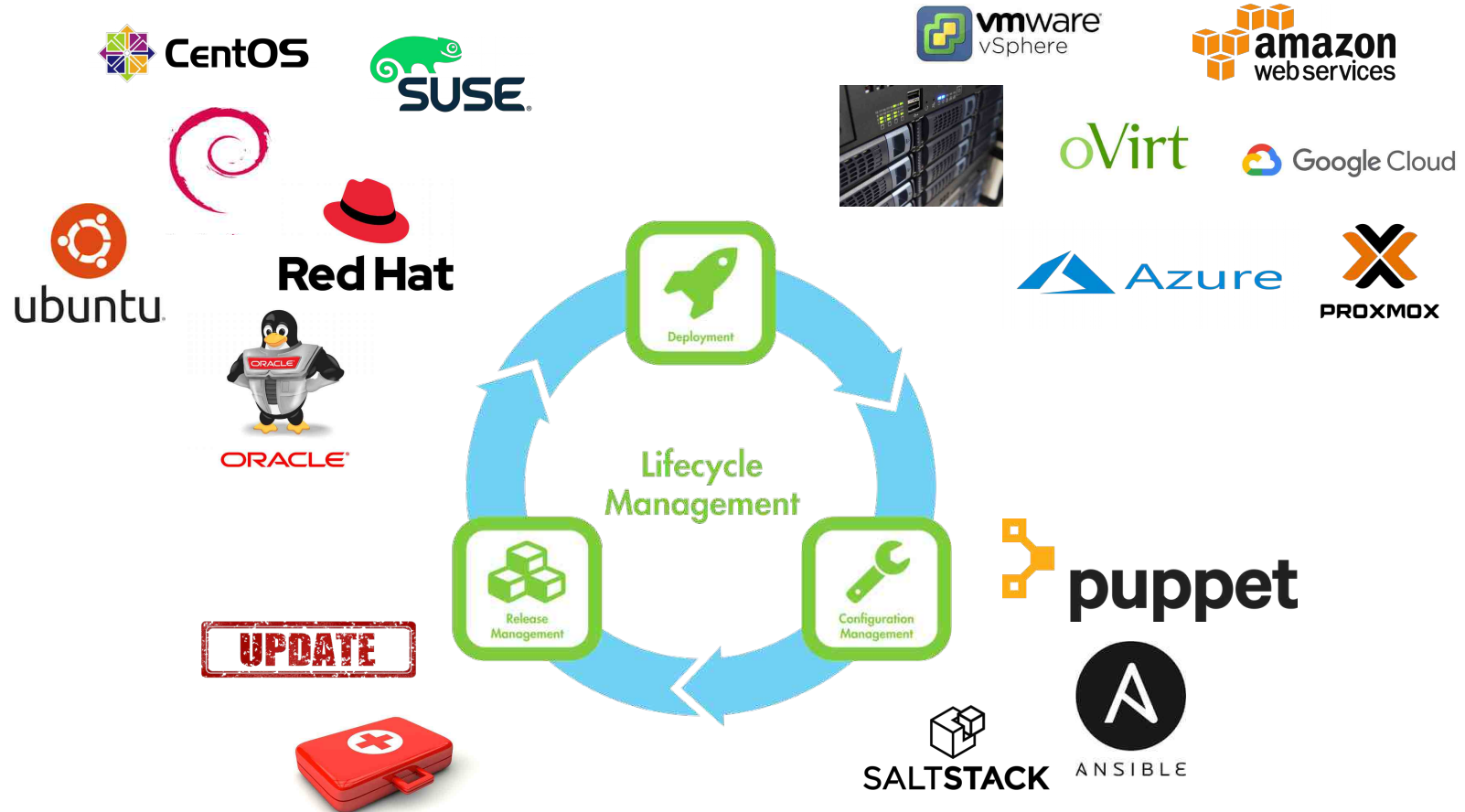
Open Source Communities

- The Foreman
 - Bootdisk plugin
 - Proxmox plugin
 - Salt plugin
 - Ansible plugin
 - ...
- Pulp (especially pulp_deb)
- Katello
- Candlepin / subscription-manager
- Foreman SCC Manager
- Foreman Snapshot Management
- Foreman Application Centric Deployment
- Debian / Ubuntu Errata parser & server
- Foreman Ansible Modules

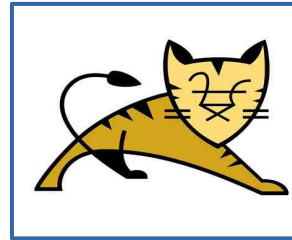
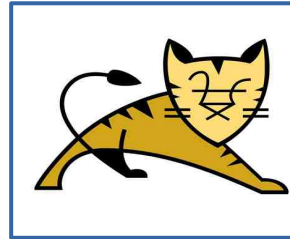
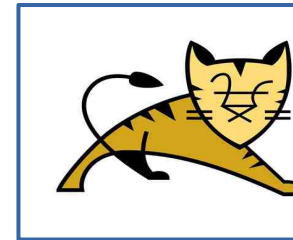
A photograph of a paved walkway made of interlocking bricks in shades of grey, red, and tan. A white rectangular text box is overlaid on the center of the image, containing the text "Manual Work Is A Bug" in a bold, black, sans-serif font. The text is rotated slightly counter-clockwise.

**Manual Work Is
A Bug**

orcharhino: deploy → run → control



The web application



What we currently need to do...

- Configure the basic environment (hostgroup, operating systems, ...)
- Provision 6 new hosts
- Configure each host individually (manually, or by ansible, salt, puppet)
- Make sure all hosts are up and are „connected“

What we actually want to do...



- Process:
 1. `aPlaybook = AnsiblePlaybook.new()`
 2. `aDefinition = appDefinition.new(aPlaybook)`
 3. `aInstance = appInstance.new(aDefinition)`
 4. `aInstance.deploy()`
 6. `aInstance.configure()`
- Roles
 - admin: Application templates
 - user: Deploy application
- Configure app with Ansible

Future plan

- Get it done!
- Translations & Tests
- Provide and share ready to use application templates
- Ansible playbook git support
- Salt support

Stay in contact



sbernhard @ #theforeman-dev



<https://github.com/sbernhard>



@_sBernhard



suttner@atix.de

